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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,780	12/09/2003	Shawn Close	200311406-1	4827
22879	7590	01/30/2006	EXAMINER	
HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400				FERGUSON, MARISSA L
		ART UNIT		PAPER NUMBER
		2854		

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

SF

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/730,780	CLOSE ET AL.	
	Examiner	Art Unit	
	Marissa L. Ferguson	2854	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 10/27/05.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 9-16 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) 9-14 is/are allowed.  
 6) Claim(s) 15 and 16 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 09 December 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Strobl (US Patent 5,360,274) in view of Adachi et al. (JP 403103614).

Strobl teaches a motor (Column 5, Lines 230-24) and a rotatable shaft operatively coupled to the motor, the shaft having a spherical bearing member (1) supported inside and rotatable against a cylindrical bearing ring (element 11 and Column 5, Lines 46-53). However, he does not explicitly disclose a roller affixed to a shaft. Adachi et al. teaches an apparatus with a roller (4) supported by a bearing (7) via a shaft (5). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Strobl to include a roller as taught by Adachi et al., since Adachi et al. teaches that a roller is advantageous to facilitate with the ease of rotation of a rotating body.

2. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Strobl (US Patent 5,360,274) in view of Eustache (US Patent 5,809,610) and Adachi et al. (JP 403103614).

Strobl teaches a motor (Column 5, Lines 230-24) and a rotatable shaft operatively coupled to the motor, the shaft having a spherical bearing member (1)

supported inside and rotatable against a cylindrical bearing ring (element 11 and Column 5, Lines 46-53). However, he does not explicitly disclose a second spherical journal on a second part of a shaft, a second cylindrical bearing supporting the second journal and a roller affixed to the shaft. Eustache teaches a first spherical bushing (40) on a first part of a spindle (4) and a second spherical bushing (42) on a second part of a spindle. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Strobl to include a second journal and bearing since Eustache teaches that two bearing points are advantageous to easily vary and rotate the shaft about an axis.

Eustache does not teach a roller affixed to the shaft. Adachi et al. teaches an apparatus with a roller (4) supported by a bearing (7) via a shaft (5). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Strobl to include a roller as taught by Adachi et al., since Adachi et al. teaches that a roller is advantageous to facilitate with the ease of rotation of a rotating body.

***Allowable Subject Matter***

3. Claims 9-14 are allowed.
4. The following is a statement of reasons for the indication of allowable subject matter: Regarding claims 9 and 14, the prior art does not teach or render obvious a printer and/or sheet media feed mechanism comprising bearings mounted to the chassis and supporting the shaft, each having a cylindrical inner bearing surface and

the shaft having a spherical journal surface inside and rotatable against each bearing surface.

***Response to Arguments***

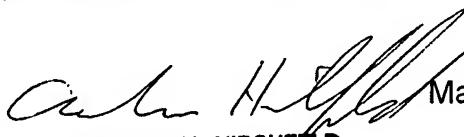
5. Applicant's arguments with respect to claims 15 and 16 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa L. Ferguson whose telephone number is (571) 272-2163. The examiner can normally be reached on (M-T) 6:30am-4:00pm and every other(F) 7:30am-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Marissa L Ferguson  
ANDREW H. HIRSHFELD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800